

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Worth 3-4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 19, 1960

A total of 1,039 cases of infectious and serum hepatitis was reported for the week ended November 19. This figure probably includes delayed reports from the week ended November 12, when 685 cases were reported.

Thirteen cases of diphtheria were reported in Kentucky for the current week. Eleven cases had been reported during the previous 2 weeks—all in Scott County. The 7 cases reported in Mississippi this week all had onset during October and occurred in 3 counties.

For the current week, there were 60 cases of poliomyelitis reported; of these 46 were paralytic. For the preceding week the total was 75 cases with 54 being paralytic, and for the week ended November 21, 1959, the total was 171 including 121 paralytic cases.

EPIDEMIOLOGICAL REPORTS

Influenza

According to the November Treasure State Health, Montana State Board of Health, type A2 influenza virus has been identified serologically in a patient in the Deer Lodge area. The tests were performed October 19 by the State Virus Laboratory directed by Dr. A. Howard Fieldsteel.

The Texas Morbidity This Week for the week ended November 12, states that 8 deaths due to poliomyelitis were reported in Texas during the first 8 months of 1960. All the victims were adult males. There were no fatal cases in persons under 20 years of age.

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	46th week			Cumulative						Approximate seasonal low point
	Ended Nov. 19, 1960 ¹	Ended Nov. 21, 1959	Median 1955-59	First 46 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	17	12	17	(²)	(²)	(²)	(²)
Botulism-----049.1	-	-	-	10	21	11	(²)	(²)	(²)	(²)
Brucellosis (undulant fever)-----044	9	8	9	689	652	635	(²)	(²)	(²)	(²)
Diphtheria-----055	44	33	46	692	779	1,000	363	382	513	July 1
Encephalitis, infectious-----082	23	37	37	1,709	1,995	1,995	1,096	1,417	1,417	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,039	583	359	34,787	19,972	16,975	9,284	4,849	3,531	Sept. 1
Malaria-----110-117	1	-	2	65	67	142	(²)	(²)	(²)	(²)
Measles-----085	2,455	2,727	2,503	413,220	378,584	530,228	13,462	15,269	15,269	Sept. 1
Meningitis, aseptic-----340 pt.	58	-	-	2,757	-	-	-	-	-	-
Meningococcal infections-----057	41	40	54	1,952	1,994	2,295	417	427	575	Sept. 1
Poliomyelitis-----080	60	171	164	3,033	8,024	8,024	2,816	7,731	7,731	Apr. 1
Paralytic-----080.0,080.1	46	121	86	2,089	5,305	5,305	1,936	5,097	5,097	Apr. 1
Nonparalytic-----080.2	11	29	29	627	2,066	2,728	590	2,018	2,572	Apr. 1
Unspecified-----080.3	3	21	21	317	653	898	290	616	814	Apr. 1
Psittacosis-----096.2	2	7	4	89	103	225	(²)	(²)	(²)	(²)
Rabies in man-----094	-	-	-	2	4	5	(²)	(²)	(²)	(²)
Streptococcal sore throat, including scarlet fever-----050,051	5,702	-	-	270,367	-	-	-	-	-	-
Typhoid fever-----040	12	18	21	741	785	1,217	614	658	973	Apr. 1
Typhus fever, endemic-----101	1	2	2	59	43	95	54	37	79	Apr. 1
Rabies in animals-----	41	84	72	3,075	3,460	4,092	304	514	514	Oct. 1

¹Data exclude report from Idaho for the current week.

²Data show no pronounced seasonal change in incidence.

EPIDEMIOLOGICAL REPORTS—Continued

Rabies in animals

The Ohio State Department of Health rabies report for October 1960, shows that the number of cases of rabies in animals for the first 10 months of the year was 25 percent higher than for the same period last year. This was mainly due to a marked increase in reported cases of rabies in skunks. In 1 county there were 18 cases, of which 15 were in skunks. In this county, two cases in cats and 1 in a dog were reported with exposure to man. There has been 1 rabies case in a human who was exposed to a cat bite while on a trip to Central America.

Clostridium perfringens

Mr. F. Listick and Mr. L. Frizzi, Los Angeles City Health Department, reported that 8 persons became ill from 7½ to 23 hours following a picnic attended by 11 individuals. Two of those ill had symptoms of nausea, vomiting, stomach cramps, and diarrhea; 5 complained of stomach cramps and diarrhea; the last person to become ill suffered only diarrhea. All recovered between 25 and 48 hours after onset. Foods served at the picnic included barbecued chuck roast, barbecued chicken, various relishes, and lemonade. The illness attack rate was highest for the barbecued chuck roast. The 3 persons who did not become ill did not eat the roast but did eat the chicken. A sample of the beverage, made with water from the picnic area, was negative. A sample of the chuck roast, examined in the City Health Department Laboratory, yielded cultures of gram-positive rods. The State Laboratory identified these organisms as Clostridium perfringens and Cl. bifermentans; gram-positive cocci were present also. Specimens from 7 patients were negative. The roast was prepared in a market 2 days before the picnic. After preparation, it was kept wrapped in foil at room temperature for about 7 hours before it was delivered to a private home where it was refrigerated until the day of the picnic. It was taken to the picnic grounds in an insulated cooler containing ice.

Salmonellosis

Mr. Jack W. Mears, Alameda County (California) Health Department, reported an outbreak of what appeared to be salmonellosis following a meal consisting of barbecued chicken, potato salad, and macaroni salad. Nine of about 150 persons who ate the suspect foods became ill with nausea, vomiting, cramps, and diarrhea lasting about 10 hours. Time of onset ranged from 8 to 13 hours after the meal. The chickens were barbecued on a backyard grill, placed in an electric oven, and kept warm until served. The salad was placed on a bar and served without refrigeration over a 4-hour period. Customers served themselves. Specimens from 3 of 5 ill persons submitting specimens were positive for Salmonella heidelberg. A specimen from 1 of 2 foodhandlers was also reported as positive but the organism was not specified.

Gastroenteritis

Mr. Edward Tyler, Belmont (Massachusetts) Health Department, reported an outbreak of 20 cases of gastroenteritis occurring about 8 to 10 hours after a supper attended by 25 guests. The common symptoms were diarrhea and cramps. Chicken a la king was the principal item of food on the supper menu. The chicken was left unrefrigerated for a period of 4 hours before serving. Cultures of samples of the chicken and of stool specimens from 2 patients were negative for the usual enteric pathogenic organisms. However, a sample of ice cream served at the supper yielded coagulase-positive staphylococci.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384 (1960)

Section 5 of the booklet contains the immunizations required by the individual country for entrance and includes the immunizations recommended by the country; in addition, the Public Health Service has recommended certain immunizations as added protective health measures.

The purpose of the "Quarantine Measures" is to bring to the immediate attention of the international traveler (1) any changes made in the official requirements or recommendations of the country after the publication is released, and (2) any additional immunizations which the Public Health Service may advise either as an added protective health measure, or to avoid delay in international travel. Such advice is based on current information available in the Division of Foreign Quarantine. The following is in addition to information in the booklet "Immunization Information for International Travel."

Changes Reported

Asia.—Cholera. Unofficial information contained in the Morbidity & Mortality Weekly Report, Vol. 9, No. 42, released October 28, 1960, concerning cholera in Abadan, Iran, was not confirmed.

It is advisable that persons going into countries of the Near East, including Turkey (Asia), Lebanon, Syria, Iraq, Iran, Saudi Arabia, and Aden carry a valid certificate of vaccination against cholera. The certificate may be required of persons either entering or transiting these countries, if arrival is within 5 days of leaving an infected local area. The infected local areas are presently confined to parts of Afghanistan, Burma, India, Nepal, and Pakistan.

Asia.—Burma. Page 41. Unofficial information was received concerning 2 cases of plague occurring in Rangoon. It is advisable that persons traveling into the country be vaccinated against this disease within 2 weeks of arrival.

Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1959, AND NOVEMBER 19, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- lant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	46th week		Cumulative, first 46 weeks		46th week		Cumulative, first 46 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	60	171	3,033	8,024	46	121	2,089	5,305	11	29	58	9
NEW ENGLAND-----	-	17	225	377	-	9	177	288	-	3	4	-
Maine-----	-	3	46	80	-	3	45	80	-	-	-	-
New Hampshire-----	-	-	-	5	-	-	-	4	-	-	-	-
Vermont-----	-	1	11	9	-	-	6	7	-	1	-	-
Massachusetts-----	-	9	31	153	-	3	20	108	-	1	4	-
Rhode Island-----	-	-	102	10	-	-	78	7	-	-	-	-
Connecticut-----	-	4	35	120	-	3	28	82	-	1	-	-
MIDDLE ATLANTIC-----	10	25	451	767	9	17	320	508	-	4	6	-
New York-----	4	19	245	475	3	13	159	292	-	2	6	-
New Jersey-----	-	2	82	134	-	1	60	89	-	1	-	-
Pennsylvania-----	6	4	124	158	6	3	101	127	-	1	-	-
EAST NORTH CENTRAL-----	13	19	518	1,210	12	10	311	536	-	6	10	3
Ohio-----	3	3	119	267	2	1	62	119	-	-	1	-
Indiana-----	4	2	131	147	4	1	91	106	-	1	-	3
Illinois-----	3	5	141	302	3	3	94	154	-	1	3	-
Michigan-----	3	8	92	443	3	4	53	131	-	4	4	-
Wisconsin-----	-	1	35	51	-	1	11	26	-	-	2	-
WEST NORTH CENTRAL-----	2	19	173	1,507	-	16	100	834	2	2	-	2
Minnesota-----	1	4	54	241	-	4	44	196	1	-	-	-
Iowa-----	-	5	21	431	-	3	3	229	-	1	-	1
Missouri-----	1	4	44	489	-	3	32	267	1	1	-	1
North Dakota-----	-	3	14	16	-	3	5	9	-	-	-	-
South Dakota-----	-	-	5	14	-	-	1	1	-	-	-	-
Nebraska-----	-	-	16	134	-	-	9	69	-	-	-	-
Kansas-----	-	3	19	182	-	3	6	63	-	-	-	-
SOUTH ATLANTIC-----	13	24	570	1,215	9	19	440	969	4	5	7	-
Delaware-----	-	-	-	9	-	-	-	7	-	-	-	-
Maryland-----	6	-	150	39	5	-	135	38	1	-	-	-
District of Columbia-----	-	-	5	6	-	-	5	5	-	-	-	-
Virginia-----	2	8	44	280	1	8	40	242	1	-	-	-
West Virginia-----	1	2	58	187	1	2	47	155	-	-	1	-
North Carolina-----	1	9	94	272	-	7	60	233	1	2	-	-
South Carolina-----	2	-	129	80	2	-	87	44	-	-	-	-
Georgia-----	-	5	23	157	-	2	21	120	-	3	-	-
Florida-----	1	-	67	185	-	-	45	125	1	-	6	-
EAST SOUTH CENTRAL-----	7	16	242	829	6	13	100	630	1	2	9	-
Kentucky-----	-	4	130	100	-	2	5	79	-	2	6	-
Tennessee-----	3	9	48	372	2	8	31	281	1	-	-	-
Alabama-----	2	-	23	242	2	-	23	204	-	-	-	-
Mississippi-----	2	3	41	115	2	3	41	66	-	-	3	-
WEST SOUTH CENTRAL-----	6	13	279	1,106	5	12	176	725	1	1	2	3
Arkansas-----	-	2	32	295	-	2	23	225	-	-	-	-
Louisiana-----	1	6	50	137	1	6	31	98	-	-	-	2
Oklahoma-----	-	3	17	153	-	2	12	86	-	1	-	-
Texas-----	5	2	180	521	4	2	110	316	1	-	2	1
MOUNTAIN ² -----	4	3	92	189	1	1	48	106	2	1	-	-
Montana-----	-	1	21	11	-	-	15	4	-	-	-	-
Idaho-----	-	-	29	7	-	-	21	-	-	-	-	-
Wyoming-----	1	-	20	2	-	-	1	1	-	-	-	-
Colorado-----	-	1	19	26	-	1	18	18	-	-	-	-
New Mexico-----	-	-	9	41	-	-	5	24	-	-	-	-
Arizona-----	3	1	8	85	1	-	6	52	2	1	-	-
Utah-----	-	-	6	11	-	-	2	4	-	-	-	-
Nevada-----	-	-	-	6	-	-	-	3	-	-	-	-
PACIFIC-----	5	35	483	824	4	24	417	709	1	5	20	1
Washington-----	1	5	37	200	1	5	37	200	-	-	9	-
Oregon-----	-	8	36	164	-	6	19	127	-	2	-	-
California-----	3	16	400	434	2	13	351	368	1	3	11	1
Alaska-----	-	6	2	26	-	-	2	14	-	-	-	-
Hawaii-----	1	-	8	(5)	1	-	8	(5)	-	-	-	-
Puerto Rico-----	1	-	486	4	1	-	480	3	-	-	-	-

¹Includes cases not specified by type, category number 080.3.

²Data exclude report from Idaho for the current week.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1959, AND NOVEMBER 19, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	46th week		Cumulative, first 46 weeks		082		46th week		Cumulative, first 46 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	44	33	692	779	23	37	1,039	583	34,787	19,972	2,455	2,727
NEW ENGLAND-----	-	-	12	5	-	2	24	19	998	662	186	249
Maine-----	-	-	2	-	-	-	5	1	68	89	7	17
New Hampshire-----	-	-	-	-	-	-	3	-	30	15	7	-
Vermont-----	-	-	-	-	-	-	1	3	16	26	5	52
Massachusetts-----	-	-	9	5	-	1	9	10	490	332	108	155
Rhode Island-----	-	-	1	-	-	1	3	2	190	67	18	-
Connecticut-----	-	-	-	-	-	-	3	3	204	133	41	25
MIDDLE ATLANTIC-----	1	1	16	49	3	10	153	46	4,300	2,925	640	163
New York-----	-	-	4	25	2	9	68	29	2,329	1,735	301	112
New Jersey-----	-	1	2	10	-	-	19	4	309	308	84	25
Pennsylvania-----	1	-	10	14	1	1	66	13	1,662	882	255	26
EAST NORTH CENTRAL-----	-	1	41	31	2	6	216	82	6,258	3,101	590	632
Ohio-----	-	-	16	11	1	1	75	19	2,148	891	146	74
Indiana-----	-	-	7	4	-	3	29	14	717	289	54	-
Illinois-----	-	-	6	10	-	1	52	22	1,362	697	28	268
Michigan-----	-	1	10	4	1	1	58	22	1,811	1,026	114	114
Wisconsin-----	-	-	2	2	-	-	2	5	220	198	248	176
WEST NORTH CENTRAL-----	3	-	50	55	-	4	66	38	2,418	1,544	161	61
Minnesota-----	3	-	26	22	-	-	31	7	403	384	5	15
Iowa-----	-	-	8	3	-	-	6	7	386	137	68	3
Missouri-----	-	-	2	6	-	-	16	6	823	394	8	-
North Dakota-----	-	-	2	2	-	-	2	12	167	328	78	41
South Dakota-----	-	-	9	3	-	-	-	-	141	61	1	1
Nebraska-----	-	-	1	19	-	1	6	2	246	80	1	1
Kansas-----	-	-	2	-	-	3	5	4	252	160	(*)	(*)
SOUTH ATLANTIC-----	7	23	209	250	2	7	112	42	4,017	1,790	229	87
Delaware-----	-	-	-	-	-	-	2	4	245	118	35	4
Maryland-----	-	-	1	7	-	4	21	6	406	363	5	18
District of Columbia-----	-	-	-	-	-	1	1	1	54	18	1	2
Virginia-----	3	-	39	12	-	2	13	11	716	444	60	31
West Virginia-----	-	-	4	3	-	-	30	8	760	286	27	3
North Carolina-----	-	-	14	23	-	-	10	2	367	111	15	10
South Carolina-----	3	-	50	28	-	-	3	3	146	50	76	2
Georgia-----	-	21	34	101	-	-	1	1	254	121	3	3
Florida-----	1	2	67	76	2	-	31	6	1,069	279	7	14
EAST SOUTH CENTRAL-----	22	2	102	98	3	-	131	106	4,916	2,032	105	254
Kentucky-----	13	-	29	9	1	-	23	88	1,721	1,020	62	1,721
Tennessee-----	1	-	8	8	1	-	64	8	1,654	443	41	109
Alabama-----	1	1	33	39	-	-	26	10	1,068	421	1	12
Mississippi-----	7	1	32	42	1	-	18	-	473	148	1	1
WEST SOUTH CENTRAL-----	11	6	225	257	3	2	72	57	2,685	1,608	96	438
Arkansas-----	-	-	16	37	-	1	8	1	191	78	1	2
Louisiana-----	5	5	61	83	-	-	4	-	157	112	-	2
Oklahoma-----	1	-	25	3	-	1	9	24	318	235	7	-
Texas-----	5	1	123	134	3	-	51	32	2,019	1,183	88	434
MOUNTAIN ² -----	-	-	36	19	-	-	63	80	2,693	2,587	123	318
Montana-----	-	-	3	-	-	-	12	11	146	228	22	78
Idaho-----	-	-	21	-	-	-	16	16	287	328	-	26
Wyoming-----	-	-	5	-	-	-	2	-	31	55	5	7
Colorado-----	-	-	3	7	-	-	22	13	983	775	38	18
New Mexico-----	-	-	4	8	-	-	2	8	296	461	-	63
Arizona-----	-	-	3	2	-	-	14	15	592	517	40	15
Utah-----	-	-	7	-	-	-	11	17	262	201	18	111
Nevada-----	-	-	-	2	-	-	-	-	96	22	-	-
PACIFIC-----	-	-	1	15	10	6	202	113	6,502	3,723	325	525
Washington-----	-	-	-	-	-	-	41	14	851	501	84	301
Oregon-----	-	-	-	4	1	-	30	45	1,031	790	91	53
California-----	-	-	-	6	9	6	127	54	4,321	2,364	146	164
Alaska-----	-	-	1	5	-	-	4	-	221	68	3	7
Hawaii-----	-	-	-	(2)	-	-	-	(3)	78	(46)	1	(163)
Puerto Rico-----	7	-	129	27	-	-	23	12	685	278	42	42

²Data exclude report from Idaho for the current week.

Morbidity and Mortality Weekly Report

5

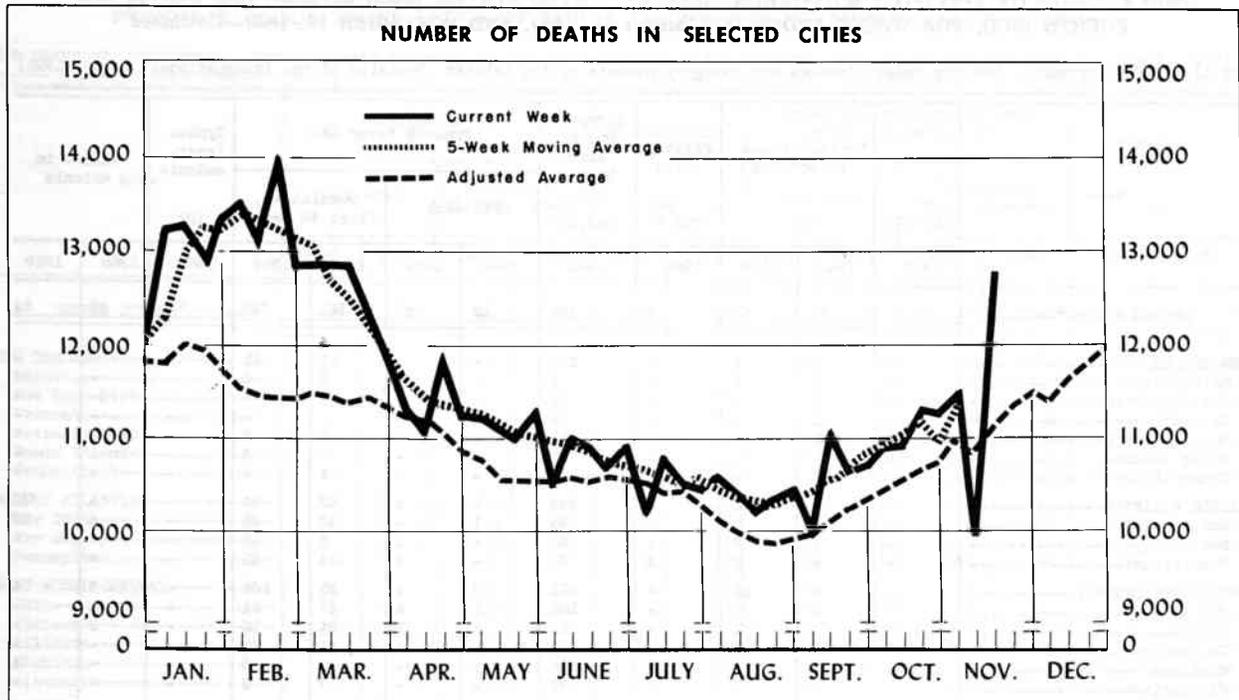
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1959, AND NOVEMBER 19, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria		Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057		096.2	050,051	46th week		Cumulative, first 46 weeks		101	1960	1959
	1960	1959	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	1	41	40	2	5,702	12	18	741	785	1	41	84	
NEW ENGLAND-----	-	6	1	-	215	-	-	11	15	-	-	-	
Maine-----	-	-	1	-	7	-	-	2	2	-	-	-	
New Hampshire-----	-	1	-	-	12	-	-	-	-	-	-	-	
Vermont-----	-	1	-	-	14	-	-	-	-	-	-	-	
Massachusetts-----	-	3	-	-	81	-	-	5	5	-	-	-	
Rhode Island-----	-	-	-	-	15	-	-	-	3	-	-	-	
Connecticut-----	-	1	-	-	86	-	-	4	5	-	-	-	
MIDDLE ATLANTIC-----	-	5	10	2	203	1	4	53	83	-	4	20	
New York-----	-	-	5	-	95	1	-	33	35	-	4	20	
New Jersey-----	-	1	3	-	38	-	1	6	13	-	-	-	
Pennsylvania-----	-	4	2	2	70	-	3	14	35	-	-	-	
EAST NORTH CENTRAL-----	-	9	11	-	441	2	4	95	102	-	3	4	
Ohio-----	-	2	-	-	105	1	2	27	51	-	1	-	
Indiana-----	-	-	1	-	62	-	1	24	16	-	2	-	
Illinois-----	-	2	6	-	72	-	1	21	21	-	-	-	
Michigan-----	-	5	4	-	126	1	-	16	8	-	-	4	
Wisconsin-----	-	-	-	-	76	-	-	7	6	-	-	-	
WEST NORTH CENTRAL-----	-	1	6	-	165	1	1	46	48	-	7	17	
Minnesota-----	-	-	-	-	14	-	-	1	1	-	3	6	
Iowa-----	-	-	1	-	49	-	-	11	9	-	1	5	
Missouri-----	-	-	4	-	8	-	1	24	18	-	2	6	
North Dakota-----	-	-	-	-	63	-	-	1	5	-	-	-	
South Dakota-----	-	-	-	-	2	1	-	4	3	-	1	-	
Nebraska-----	-	1	1	-	-	-	-	3	5	-	-	-	
Kansas-----	-	-	-	-	29	-	-	2	7	-	-	-	
SOUTH ATLANTIC-----	-	3	4	-	352	2	2	113	133	-	7	7	
Delaware-----	-	-	-	-	-	-	1	1	3	-	-	-	
Maryland-----	-	-	-	-	17	1	-	6	5	-	-	-	
District of Columbia-----	-	-	-	-	1	1	-	9	4	-	-	-	
Virginia-----	-	1	2	-	72	-	1	24	28	-	3	3	
West Virginia-----	-	-	-	-	79	-	-	12	15	-	4	2	
North Carolina-----	-	2	1	-	36	-	-	9	11	-	-	-	
South Carolina-----	-	-	-	-	36	-	-	12	11	-	-	1	
Georgia-----	-	-	1	-	-	-	-	27	28	-	-	1	
Florida-----	-	-	-	-	111	-	-	13	28	-	-	-	
EAST SOUTH CENTRAL-----	1	6	1	-	999	3	1	114	113	-	9	8	
Kentucky-----	1	2	1	-	65	1	1	29	19	-	1	2	
Tennessee-----	-	3	-	-	901	-	-	55	57	-	5	4	
Alabama-----	-	1	-	-	20	1	-	23	21	-	3	2	
Mississippi-----	-	-	-	-	13	1	-	7	16	-	-	-	
WEST SOUTH CENTRAL-----	-	5	3	-	796	2	5	197	168	1	9	23	
Arkansas-----	-	-	2	-	-	2	3	48	35	-	2	6	
Louisiana-----	-	4	-	-	3	-	-	59	25	-	-	1	
Oklahoma-----	-	1	-	-	19	-	-	12	17	-	-	-	
Texas-----	-	-	1	-	774	-	2	78	91	1	7	16	
MOUNTAIN ² -----	-	-	2	-	1,491	-	1	44	41	-	-	1	
Montana-----	-	-	-	-	51	-	-	13	2	-	-	-	
Idaho-----	-	-	1	-	-	-	1	23	6	-	-	-	
Wyoming-----	-	-	-	-	312	-	-	4	7	-	-	-	
Colorado-----	-	-	1	-	434	-	-	1	4	-	-	1	
New Mexico-----	-	-	-	-	402	-	-	12	15	-	-	-	
Arizona-----	-	-	-	-	214	-	-	9	6	-	-	-	
Utah-----	-	-	-	-	71	-	-	2	1	-	-	-	
Nevada-----	-	-	-	-	7	-	-	-	-	-	-	-	
PACIFIC-----	-	6	2	-	1,040	1	-	68	82	-	2	4	
Washington-----	-	2	2	-	170	-	-	5	2	-	-	-	
Oregon-----	-	-	-	-	59	-	-	8	7	-	-	-	
California-----	-	4	-	-	736	1	-	54	69	-	2	4	
Alaska-----	-	-	-	-	59	-	-	1	4	-	-	-	
Hawaii-----	-	-	-	-	16	-	-	-	(2)	-	-	-	
Puerto Rico-----	-	-	-	-	1	1	1	20	17	-	-	1	

²Data exclude report from Idaho for the current week.

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	46th week ended Nov. 19, 1960	45th week ended Nov. 12, 1960	Adjusted average, 46th week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 46 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	12,748	9,930	11,109	+14.8	527,913	514,721	+2.6
New England----- (14 cities)	760	670	725	+4.8	33,181	32,255	+2.9
Middle Atlantic----- (20 cities)	3,553	2,842	3,256	+9.1	146,789	147,134	-0.2
East North Central----- (21 cities)	2,882	2,170	2,513	+14.7	114,394	111,933	+2.2
West North Central----- (9 cities)	895	652	822	+8.9	36,710	35,566	+3.2
South Atlantic----- (11 cities)	1,029	929	958	+7.4	45,236	43,862	+3.1
East South Central----- (8 cities)	563	431	520	+8.3	23,820	23,432	+1.7
West South Central----- (13 cities)	1,108	846	950	+16.6	45,962	43,049	+6.8
Mountain----- (8 cities)	389	307	296	+31.4	16,542	14,254	+16.1
Pacific----- (13 cities)	1,569	1,083	1,439	+9.0	65,279	63,236	+3.2

¹Adjusted average used as base.

Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	46th week ended	45th week ended	Cumulative, first 46 weeks		Area	46th week ended	45th week ended	Cumulative, first 46 weeks	
	Nov. 19, 1960	Nov. 12, 1960	1960	1959		Nov. 19, 1960	Nov. 12, 1960	1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	239	242	11,559	10,986	St. Louis, Mo.-----	282	173	11,216	10,812
Bridgeport, Conn.-----	43	39	1,877	1,799	St. Paul, Minn.-----	81	49	3,182	2,982
Cambridge, Mass.-----	34	22	1,419	1,294	Wichita, Kans.-----	61	48	2,134	2,164
Fall River, Mass.-----	21	28	1,290	1,284	SOUTH ATLANTIC:				
Hartford, Conn.-----	60	42	2,251	2,240	Atlanta, Ga.-----	126	120	5,393	5,067
Lowell, Mass.-----	22	23	1,093	1,079	Baltimore, Md.-----	231	224	11,504	11,029
Lynn, Mass.-----	29	17	1,115	1,084	Charlotte, N.C.-----	36	42	1,784	1,690
New Bedford, Mass.-----	45	18	1,137	1,121	Jacksonville, Fla.-----	70	48	2,712	2,605
New Haven, Conn.-----	55	26	2,048	2,046	Miami, Fla.-----	63	61	3,281	3,176
Providence, R.I.-----	57	75	2,942	2,933	Norfolk, Va.-----	42	38	1,836	1,792
Somerville, Mass.-----	19	10	606	597	Richmond, Va.-----	83	77	3,566	3,550
Springfield, Mass.-----	39	61	2,083	2,035	Savannah, Ga.-----	44	38	1,551	1,504
Waterbury, Conn.-----	37	28	1,272	1,269	St. Petersburg, Fla.-----	(88)	(68)	(3,235)	(2,945)
Worcester, Mass.-----	60	39	2,489	2,508	Tampa, Fla.-----	70	64	3,002	2,826
MIDDLE ATLANTIC:					Washington, D.C.-----	205	187	8,854	8,904
Albany, N.Y.-----	52	43	1,987	2,313	Wilmington, Del.-----	59	30	1,753	1,719
Allentown, Pa.-----	43	35	1,600	1,570	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	166	110	6,616	6,655	Birmingham, Ala.-----	98	97	3,885	3,770
Camden, N.J.-----	54	37	1,951	1,878	Chattanooga, Tenn.-----	42	41	2,156	2,105
Elizabeth, N.J.-----	39	30	1,353	1,382	Knoxville, Tenn.-----	29	20	1,288	1,304
Erie, Pa.-----	46	33	1,775	1,687	Louisville, Ky.-----	95	82	5,201	5,175
Jersey City, N.J.-----	55	68	3,244	3,320	Memphis, Tenn.-----	138	95	5,079	5,146
Newark, N.J.-----	128	70	4,469	4,589	Mobile, Ala.-----	58	30	1,897	1,778
New York City, N.Y.-----	1,716	1,566	74,951	75,356	Montgomery, Ala.-----	40	17	1,581	1,498
Paterson, N.J.-----	50	29	1,755	1,776	Nashville, Tenn.-----	63	49	2,733	2,656
Philadelphia, Pa.-----	481	434	22,316	22,317	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	273	109	8,830	8,478	Austin, Tex.-----	35	27	1,545	1,476
Reading, Pa.-----	22	22	1,091	999	Baton Rouge, La.-----	38	18	1,314	1,267
Rochester, N.Y.-----	130	69	4,622	4,454	Corpus Christi, Tex.-----	25	20	1,076	955
Schenectady, N.Y.-----	27	20	1,076	1,141	Dallas, Tex.-----	122	126	5,711	5,413
Scranton, Pa.-----	47	32	1,727	1,667	El Paso, Tex.-----	42	36	1,741	1,665
Syracuse, N.Y.-----	86	55	2,876	2,866	Fort Worth, Tex.-----	63	51	3,043	2,885
Trenton, N.J.-----	53	28	1,888	1,960	Houston, Tex.-----	175	114	7,690	7,110
Utica, N.Y.-----	38	17	1,245	1,293	Little Rock, Ark.-----	67	55	2,621	2,440
Yonkers, N.Y.-----	47	35	1,417	1,433	New Orleans, La.-----	240	149	8,200	7,746
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	89	69	3,453	3,210
Akron, Ohio-----	64	50	2,598	2,656	San Antonio, Tex.-----	107	64	4,577	4,331
Canton, Ohio-----	40	33	1,596	1,537	Shreveport, La.-----	60	49	2,478	2,321
Chicago, Ill.-----	915	616	35,237	34,547	Tulsa, Okla.-----	45	68	2,513	2,230
Cincinnati, Ohio-----	173	136	7,202	7,249	MOUNTAIN:				
Cleveland, Ohio-----	212	197	9,690	9,558	Albuquerque, N. Mex.-----	45	39	1,462	1,361
Columbus, Ohio-----	159	108	5,447	5,404	Colorado Springs, Colo.-----	22	7	762	718
Dayton, Ohio-----	87	68	3,464	3,106	Denver, Colo.-----	129	99	5,490	5,225
Detroit, Mich.-----	338	321	15,553	14,982	Ogden, Utah-----	15	10	755	687
Evansville, Ind.-----	49	33	1,700	1,679	Phoenix, Ariz.-----	75	67	3,478	2,326
Flint, Mich.-----	41	40	1,847	1,833	Pueblo, Colo.-----	13	15	750	638
Fort Wayne, Ind.-----	48	30	1,687	1,667	Salt Lake City, Utah-----	47	46	2,223	2,220
Gary, Ind.-----	23	26	1,405	1,359	Tucson, Ariz.-----	43	24	1,622	1,079
Grand Rapids, Mich.-----	59	29	1,884	1,932	PACIFIC:				
Indianapolis, Ind.-----	164	124	6,670	6,316	Berkeley, Calif.-----	15	6	767	775
Madison, Wis.-----	60	33	1,492	1,370	Fresno, Calif.-----	---	(68)	---	(1,857)
Milwaukee, Wis.-----	159	106	5,734	5,862	Glendale, Calif.-----	(41)	(16)	(1,695)	(1,657)
Peoria, Ill.-----	27	17	1,391	1,346	Honolulu, Hawaii-----	60	33	1,890	1,742
Rockford, Ill.-----	30	30	1,321	1,261	Long Beach, Calif.-----	79	46	2,506	2,482
South Bend, Ind.-----	32	23	1,349	1,271	Los Angeles, Calif.-----	504	406	22,951	22,020
Toledo, Ohio-----	131	99	4,595	4,546	Oakland, Calif.-----	93	67	4,359	4,163
Youngstown, Ohio-----	71	51	2,532	2,452	Pasadena, Calif.-----	28	35	1,572	1,448
WEST NORTH CENTRAL:					Portland, Ore.-----	153	66	5,020	4,998
Des Moines, Iowa-----	54	47	2,518	2,447	Sacramento, Calif.-----	63	48	2,655	2,539
Duluth, Minn.-----	33	18	1,162	1,154	San Diego, Calif.-----	125	66	4,192	3,752
Kansas City, Kans.-----	35	36	1,611	1,635	San Francisco, Calif.-----	209	138	9,037	8,922
Kansas City, Mo.-----	130	115	5,767	5,502	San Jose, Calif.-----	(39)	(22)	(1,589)	(1,177)
Lincoln, Nebr.-----	(34)	(18)	(1,196)	(1,208)	Seattle, Wash.-----	144	92	6,267	6,278
Minneapolis, Minn.-----	147	113	5,748	5,605	Spokane, Wash.-----	52	48	2,202	2,265
Omaha, Nebr.-----	72	53	3,372	3,265	Tacoma, Wash.-----	44	32	1,861	1,852

Morbidity and Mortality Weekly Report

TABLE 1. DEATHS IN REPORTED STATES

Year	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Alaska												
Arizona												
California												
Colorado												
Connecticut												
Delaware												
District of Columbia												
Florida												
Georgia												
Idaho												
Illinois												
Indiana												
Iowa												
Kansas												
Kentucky												
Louisiana												
Maine												
Maryland												
Massachusetts												
Michigan												
Minnesota												
Mississippi												
Missouri												
Montana												
Nebraska												
Nevada												
New Hampshire												
New Jersey												
New Mexico												
New York												
North Carolina												
North Dakota												
Ohio												
Oklahoma												
Oregon												
Pennsylvania												
Rhode Island												
South Carolina												
South Dakota												
Tennessee												
Texas												
Utah												
Vermont												
Virginia												
Washington												
West Virginia												
Wisconsin												
Wyoming												
Total												

EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----

Quantity zero-----

Percent more than 0 but less than 0.05----- 0.0

Disease stated not notifiable----- *

Figures within parentheses not included in totals-- ()

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SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.